



# GUIDELINES FOR ACCEPTANCE OF BITUMINOUS CONCRETE FROM HOT MIX STORAGE BINS

## 1. SCOPE

1.1 The following shall be considered as fundamental guidelines and procedures for use when storage bins are used in a bituminous concrete plant to furnish material for a Department project.

## 2. GUIDELINES

2.1 Hot mix storage bins must be designed for storage and manufactured specifically for this purpose. All bins must be approved prior to their use on Department projects.

2.2 An inspection platform with stairs, handrail, and any other devices required to insure the safety of the personnel shall be provided. The platform must be constructed and located to enable the inspector to thoroughly inspect the truck body, witness the loading, and measure the temperature of the bituminous concrete.

2.3 Bins must be heated by an approved means to maintain the temperature of the mix. All bins must be insulated. Inadequate insulation, resulting in cold areas of the stored material, will be a basis for refusal of use of the bins.

2.4 The producer will be required to take steps to minimize contamination from residual material in the bins. When changing from a fine type mix to a coarse type one, the producer will be permitted to make the change provided no excessive quantity of fine material adheres to the walls of the bin. Cold or lumpy material must be removed prior to loading the bin with new material.

2.4.1 In the case of changing from a coarse mix to a finer one, (Type C to Type D or Type B to Type C) the producer must provide means by which any residual material can be removed to the satisfaction of the Engineer. Inspection of the bins prior to loading will be required. The producer must provide a safe means for such an inspection to be made. Adequate lighting must be approved for such a bin inspection.

2.5 The maximum length of time for storage of material to be used on Department projects will be 12 hours after placement in the bin, provided the temperature does not drop below specification or job mix limits.

2.6 All material placed in storage bins must be inspected by Department personnel who must be present at all times when bin loading is in progress, unless directed otherwise by the Engineer. Permission to load storage bins without inspection may be granted, provided the plant has a satisfactory history of adequate quality control.

2.7 Duties of Department inspectors during loading of the bins shall be in accordance with the following:

2.7.1 One inspector shall observe all activities in the plant control room.

2.7.2 One inspector shall observe plant operations, checking temperatures, mix coating, cold feed proportioning, and general plant operation.

2.7.3 The inspector in charge will be responsible for control testing during bin charging. Mix samples will be obtained for bitumen and aggregate gradation tests.

2.8 The Engineer may modify any of the guidelines set forth, provided such changes are beneficial to the Department.